

Location: Sophia-Antipolis, France  
Employment type: Experienced Professional  
Contract type: Permanent position

Ref: **SSW\_SSA\_ENG**

## SENIOR SOFTWARE ARCHITECT

The Automotive industry is living through a revolution. Electrification, autonomous driving, diverse mobility, connectivity are trends that are drastically changing the industry's rules. Among all decisive topics revolutionizing cars in the next future, Silicon Mobility is committed to support the rapid advent of electric and hybrid cars.

Silicon Mobility, an Intel company, is a technology leader for cleaner, safer, and smarter mobility. The company designs, develops and sells flexible, real-time, safe, and open semiconductor solutions named FPCU (Field Programmable Control Unit) for the automotive industry used to increase energy efficiency and reduce pollutant emissions while keeping passengers safe.

The Company is opening a “**Senior Software Architect**” position in its main Research and Development center ideally located in the Sophia-Antipolis Technology Park on the French Riviera.

You are a brilliant and passionate Software Architect for Automotive Applications? You want to support the development of disruptive products accelerating the car powertrain electrification? At Silicon Mobility, we would like to light up our employees' potential. Are you up for the challenge? Contact us and send your resume and cover letter to [recruitment@silicon-mobility.com](mailto:recruitment@silicon-mobility.com)

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### ROLE & MISSIONS

As a member of the System and Software engineering team, you will define the architecture and technically lead the embedded software development for the successful implementation of the Silicon Mobility software product for the control and power management of the engine for Hybrid and Electric Vehicles.

The main responsibilities of the position of Senior Software Architect include to:

- Participate in the software requirements analysis of Product team and Functional Safety manager.
- Specify the software requirements.
- Define the software architecture with a flexible, generic, and modular platform approach in collaboration with the System Architect.
- Evaluate efforts for new features development.
- Contribute to embedded software detailed design and implementation.
- Technically lead embedded software engineers to develop the software and functional safety.
- Participate in the documentation writing.
- Apply AGILE and A-SPICE development flow.
- Ensure quality management.
- ISO26262 knowledge and experience is a real advantage.
- Support engineers on integration test activities.
- Share knowledge and train junior software engineers.
- Provide support to FAE and customers if needed.

The position requires pro-active involvement with Silicon Mobility's various internal teams (Engineering, Products and Quality), Management, and external parties.



## REQUIRED SKILLS AND EXPERIENCE

### EDUCATION:

- Master's degree in embedded software engineering

### TECHNICAL SKILLS & EXPERIENCE:

- A minimum of 4 years in a similar position.
- A minimum of 4 years in embedded software development.
- Technical Leadership.
- Solid technical understanding of embedded software architecture and development.
- Strong knowledge of embedded C code.
- Experience in automotive environment and constraints is appreciated.
- Knowledge of electric machines and power management system control is a plus.
- Teaching and analytical skills.
- Good analysis of solving technical issues.
- Knowledge of AGILE methodology and A-SPICE development flows and quality standards (ISO 9001, ISO 26262).

### LANGUAGE SKILLS:

- Fluent in English
- French speaking is a plus.

### BEHAVIORAL SKILLS:

- Be self-motivated, pro-active, flexible, and able to accept new challenges.
- Be autonomous, results oriented.
- Organized, rigorous, and have a good management of priorities.
- Demonstrate strong communication and teamwork skills.
- Dynamic, positive, and enthusiastic spirit.
- Excellent interpersonal skills, persevering.
- Strong ability to work in a multi-site and international environment.
- Ability to work as part of a team.

